

Patent Claims

1. Method for the control of a rotary tablet forming machine (10) where a rotor (12) is capable of being rotated by means of a drive unit (24), the rotor (12) including at least one matrix (14) with allocated upper punches (18) and lower punches (16) and a pressing force (PK), acting on the press mass (26) filled into the one matrix (14) at least, is determined, **w h e r e i n** the determined pressing force (PK_{actual}) is compared with a pre-specifiable limit value (PK_{limit}) and, with a level going below the limit value (PK_{limit}), the required speed (n_r) of the rotor (12) is reduced to a speed below the rated speed ($n_{r-rated}$).
2. Method according to Claim 1, **w h e r e i n** the pressing force (PK) is measured.
3. Method according to one of the previous Claims, **w h e r e i n** a difference between the limit value (PK_{limit}) and a required pressing force ($PK_{required}$) can be set.
4. Method according to Claim 3, **w h e r e i n** the difference amounts to between 1% and 50%, particularly between 5% and 20%, preferentially between 8% and 12%.
5. Method according to one of the previous Claims, **w h e r e i n** the required speed (n_r) of the rotor (12) is compared with an actual speed of the rotor (12); and the rotor (12) is regulated to the required speed (n_r).

6. Method according to one of the previous Claims, **w h e r e i n** the rotor (12) is speed-controlled from the standstill position.
7. Method according to one of the previous Claims, **w h e r e i n** the rotor (12) is speed-controlled from its rated speed.
8. Device for the control of a rotary tablet forming machine (10), with a control unit (42) or similar for the control of a drive unit (24) of a rotor (12) of the rotary tablet forming machine (10), a facility (40) for determining a pressing force (PK) acting on a press mass (26) as well as a means for comparing the determined pressing force (PK_{actual}) with a pre-specifiable pressing force (PK_{limit}) and at least one means for pre-specifying a required speed (n_r) of the rotor (12) in dependence of the comparison of the determined pressing force (PK_{actual}) with the pre-specifiable pressing force (PK_{limit}).